OPERATING INSTRUCTIONS
AND PARTS LIST

CRAFTSMAN

6-1/2-INCH ELECTRIC HAND SAW

MODEL NUMBER

336.27960

The above Model Number will be found on the name plate at the front of your Saw. Always mention this Model Number when communicating with us regarding your Saw, or when ordering parts.

HOW TO ORDER REPAIR PARTS

All parts listed herein may be ordered through Sears, Roebuck and Co. When ordering parts by mail from the mail order house which serves the territory in which you live, selling prices will be furnished on request or parts will be shipped at prevailing prices and you will be billed accordingly.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST:

1. The PART NUMBER.
2. The PART NAME.
3. The MODEL NUMBER.
4. The DESCRIPTION of item.

IMPORTANT

This list is valuable. It will assure you of being able to obtain proper parts service. We suggest you keep it with other valuable papers.

SEARS, ROEBUCK AND CO. - U. S. A.
SIMPSONS-SEARS LIMITED - CANADA

FORM NO. 102

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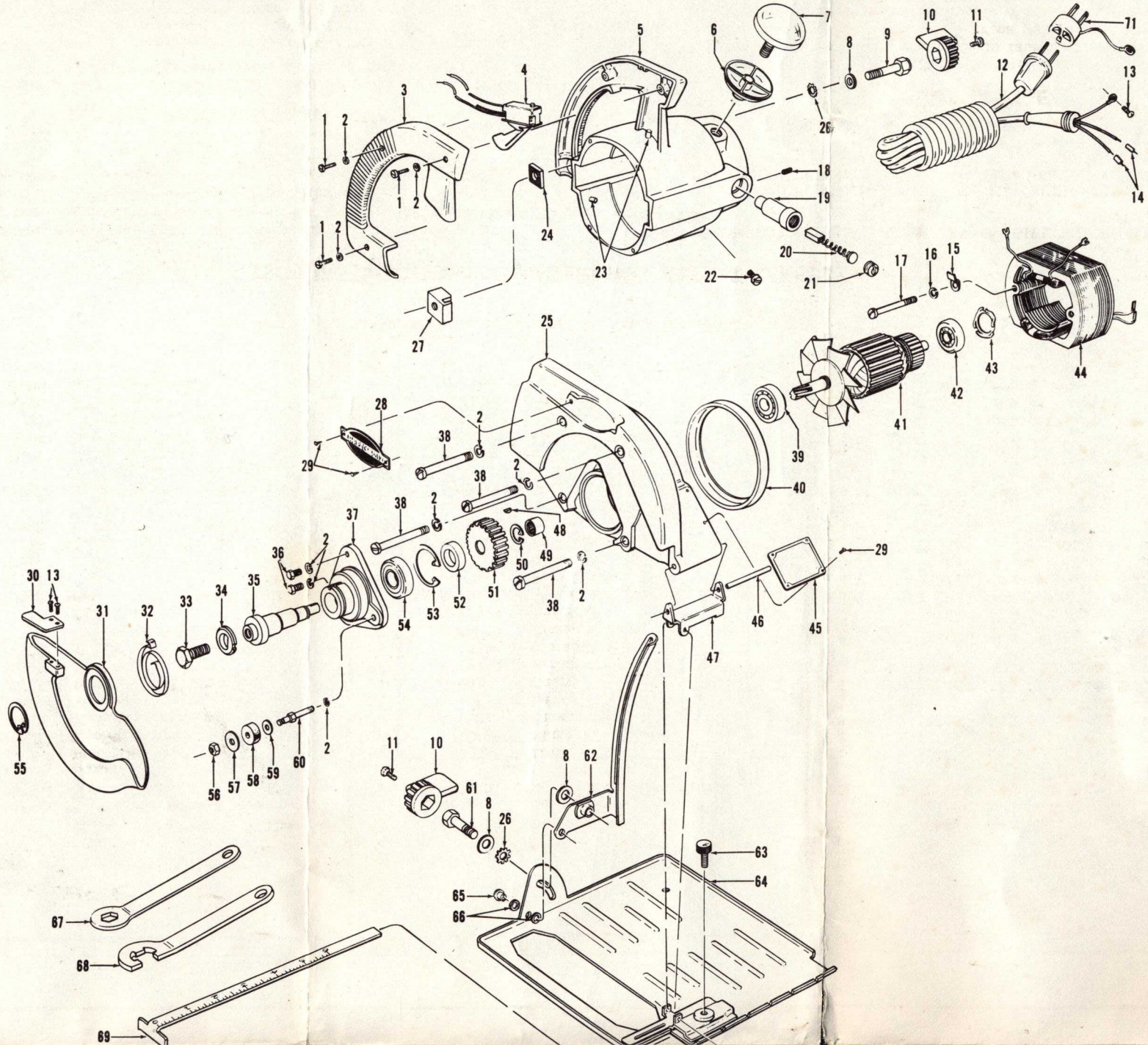
CRAFTSMAN ELECTRIC HAND SAW—MODEL NUMBER 336.27960



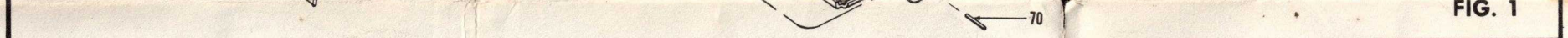


FIG. 1

PARTS LIST

KEY NO.	PART NO.	DESCRIPTION
1	A-10271	*Screw, No. 8-32x5/8 Fill-Hd. (3)
2	A-10274	*Lockwasher, No. 8 (10)
3	C-5057	Handle Cover
4	A-10358	Switch
5	D-4902	Motor Housing
6	A-10365	Knob (Lower Half)
7	A-10458	Knob (Upper Half)
8	A-10461	Washer (3)
9	A-10355	Insert Bolt (Depth of Cut)
10	A-10352	Knob (2)
11	A-10521	*Screw, Sem, No. 8-32x7/16 Phillips Oval-Hd. (2)
12	BA-506	Cord Set
13	A-10342	*Screw, No. 8-32x3/8 Rd-Hd. (3)
14	A-9671	Connector (2)
15	A-10487	Lead Clip
16	A-10465	*Lockwasher, No. 10 (2)
17	A-10312	*Screw, No. 10-32xl-3/4 Fill-Hd. (2)
18	A-10302	*Set Screw, No. 8-32x3/16 Cup-Point, Hollow Hex-Hd. (2)
19	A-10301	Brush Holder (2)
20	A-10330	Brush Assembly (2) (Replace in Pairs)
21	A-10331	Brush Cap (2)
22	A-10460	Adjustment Screw
23	A-10357	Insulation (2)
24	A-10490	Serrated Washer
25	D-4903	Gear Housing
26	A-10462	*Lockwasher, Shakeproof No. 1108 External (2)
27	A-10356	Locking Bar
28	A-10455	Nameplate
29	A-9581	*Drive Screw, No. 0xl/8 (6)
30	A-10341	Lever
31	B-6006	Guard
32	A-10340	Spring
33	A-10364	Clamp Screw
34	A-10363	Clamp Washer
35	A-10333	Saw Shaft
36	A-10452	*Screw, No. 8-32xl/2 Hex-Hd. (2)
37	B-6001	Gear Housing Cover
38	A-10345	*Screw, No. 8-32x1-7/8 Fill-Hd. (4)
39	A-10329	Bearing, Pinion End, N. D. 99501
40	A-10313	Baffle
41	AA-1043	Armature Assembly
42	A-10328	Bearing, Commutator End, N. D. 99500
43	A-6888	Loading Spring
44	AA-1009	Field Assembly
45	A-10361	Dataplate
46	A-10354	Spring Pin
47	A-10348	Pivot
48	A-10337	Woodruff Key, Mfg. No. 213
49	A-10332	Bearing, Torrington Needle No. M-681
50	A-10339	Retaining Ring, Truarc No. 5100-43
51	A-10338	Gear
52	A-10336	Spacer
53	A-10335	Retaining Ring, Truarc No. 5000-137
54	A-10334	Bearing, Blade End, N. D. 99502
55	A-10343	Retaining Ring, Truarc No. 5108-106
56	A-10457	*Hex. Nut, No. 6-32
57	A-10456	*Washer, No. 6
58	A-10307	Bumper
59	A-10610	Washer
60	A-10453	Stud
61	A-10353	Insert Bolt (Angle of Cut)
62	AA-1051	Elevating Slide
63	A-10350	Rip Guide Screw
64	CA-187	Base Assembly
65	A-10346	Rivet
66	A-10347	Washer (2)
67	A-10366	Box Wrench
68	A-10459	Spanner Wrench
69	A-10368	Rip Guide
70	A-10349	Spring Pin
71	A-10369	Adaptor (Not included in Canadian shipments)

*Standard hardware item. May be purchased locally.

INSTRUCTIONS CONCERNING REPAIR SERVICE

You may purchase repair parts (as instructed on page 1) by referring to the illustration on page 2 and to the parts list above — or you may return your Saw for repair to your nearest Sears Retail Store or Mail Order House. If you do not have proper tools and knowledge, we strongly recommend this repair service.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

1. The PART NUMBER
2. The PART NAME
3. The MODEL NUMBER
4. The DESCRIPTION of item

BLADES AND CUTTING DISCS

Your Saw can be a tool of many uses — when equipped with these various blades and cutting discs available at your nearest Sears Retail or Mail Order store:

*Standard Crosscut — Standard Rip Cut — *Fancy-Tooth Combination*
Hollow-Ground Planer Blade — Nail-Cutting Blade
Tungsten Carbide Tipped (8-Tooth) Blade — Abrasive Cut Off Wheels

*Furnished with your Saw. For uses of various blades, purchase "The Circular Saw," Cat. No. 9-2926, at any Sears Retail or Mail Order Store.

GUARANTEE

Your Saw was thoroughly checked and tested before shipment. However, should any defect due to faulty material or workmanship develop, your Saw will be repaired free of charge — if returned, within one year from date of purchase, to your nearest Sears Retail or Mail Order Store. This guarantee is not valid if your Saw has been misused, abused or tampered with.

POWER SUPPLY

Your Saw is powered by a heavy-duty universal motor which may be operated on direct current (D.C.) or single-phase alternating current (A.C.) having a maximum frequency of 60 cycles. The voltage must be the same as specified on your Saw's nameplate.

OPERATION

Attaching the Blade

Always Disconnect Plug From Line Before Attaching Blade. Mount the Blade on the Saw Shaft (35, fig. 1). *Be Sure That the Saw Teeth Point Upward at the Front of the Saw.* Place the Clamp Washer (34) over the shaft with its flat side against the blade. Secure these parts with Clamp Screw (33) — holding the washer with Spanner Wrench (68) to prevent it from turning, and using Box Wrench (67) to tighten the screw.

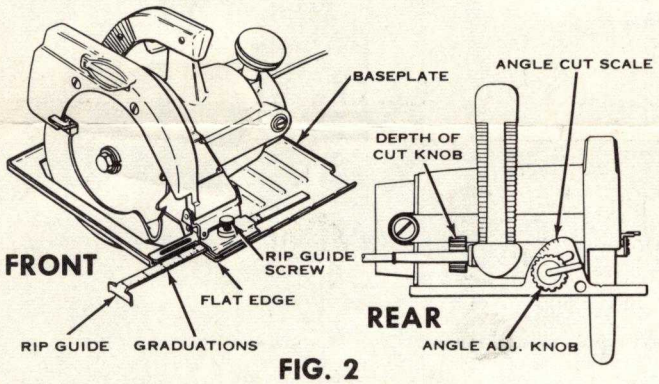


FIG. 2

Cutting

First, make certain that the work is well supported and held. Start by resting the front edge of the Baseplate (fig. 2) on the work — then squeeze the switch closed and allow the blade to come up to full speed, before pushing it into the work. Allow the blade to cut its way through the work without forcing. Forcing results in slower and inaccurate cutting — will shorten blade life and lead to motor failure. If the motor should stall, back the blade through the kerf until it runs freely at full speed — then feed it to the work again, more slowly then before. Use one or both hands to guide the saw, as you choose.

TO ADJUST DEPTH OF CUT, loosen the Depth of Cut Knob (fig. 2) and raise or lower the rear edge of the baseplate, as desired. Proper adjustment allows the blade to project below the baseplate just enough to cut through the work. Tighten knob securely.

TO CROSSCUT, follow a line on the work. The Flat Edge (fig. 2) is exactly in line with the inner edge of the blade when the blade is set at 90° or at 45°. Use it as a guide.

TO RIP CUT, either do the same as for crosscutting, or use the Rip Guide (fig. 2). Set the guide to the desired distance in from the right edge of your work by using the scale on the guide — then tighten the Rip Guide Screw securely. Hold the outer edge of the guide fairly tightly against the right edge of the work, and you will obtain a true cut without cramping the blade. Right edge of work must be straight, however, for use of the guide.

ANGLE CUTS are obtained by loosening the Angle Adj. Knob (fig. 2) and setting the blade all the way to the right (for a 45° angle), or at any angle as indicated on the Angle Cut Scale. The Flat Edge serves as a guide when blade is at a 45° angle; but it is *not* in line with the blade for other angles. In such case, use the Graduation to judge how far to the right of the Flat Edge your kerf will be — then draw a guide line on your work this distance to the left of your cutting line. The Flat Edge will now guide you along this line.

POCKET CUTS can be made by swinging the guard up out of the way. Rest the front edge of the baseplate on your work, start the saw — then slowly lower the blade into the work until the baseplate can rest flat on the work surface.

MAINTENANCE

Saw Blades

Best results are obtained with a clean, sharp, properly set blade. Replace blade as often as necessary, keeping several good ones at hand for this purpose. You can't make good fast cuts with a poor blade!

Lubrication and Cleaning

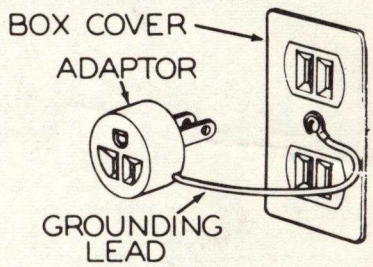
Your Saw has been factory lubricated and sealed. Under normal use it will not require further lubrication. However, keep it free of sawdust. Blow accumulated dust out of the motor housing with dry compressed air. Do this regularly if working in very dusty locations.

Replacing Brushes

Replacement of worn brushes will be a big help in getting full power from your Saw, and will prolong armature life. These relatively inexpensive parts should be replaced when worn to about 1/8-inch length. Always replace them in pairs.

To remove Brush Assemblies (20, fig. 1) simply remove the Brush Caps (21). When removing them for inspection, always replace them in the same position — and on the same side from which removed. Best do them one at a time, to make sure.

GROUNDING CAUTION



Your Saw is equipped with an Underwriter's Laboratories required and approved 3-prong plug for your safety. The larger prong in this plug is connected through the power cable to the tool housing. When the plug is inserted in a properly grounded receptacle, it will protect the user from shock should the tool insulation for any reason fail.

If you use an extension cord it should be a 3-wire type. Since many receptacles do not have provision for a 3-prong plug the adaptor (71, fig. 1) must be used. In this case, make sure the pigtail on the adaptor is firmly attached to a grounded receptacle box as shown in the illustration.

EXTENSION CORDS AND LOW VOLTAGE

If you use an extension cord, use large enough wire to guard against low voltage. We recommend No. 12 or larger for up to 100 ft.; No. 10 or larger for up to 150 ft.

Low voltage will result in inefficient saw operation — can damage the motor. It is generally caused by overloading of the electrical circuit, or by use of an improper extension cord. If lights dim (and remain dim) when saw is running — or if your saw falters or stops under normal feed pressure — the voltage is low. Switch to a better circuit, if possible. Otherwise, feed very slowly, giving your saw every possible chance to run as fast as possible.